

Technical Data Sheet



Product name: **3DJAKE ecoPLA**

Version: 1.3

Date: 01.03.2024

Dimensions

Size	Ø tolerance	Roundness
1,75 mm	± 0,05 mm	≥ 95%
2,85 mm	± 0,10 mm	≥ 95%

Physical properties

Description	Typical value	Test method
Specific gravity	1,24 g/cc	Literature value
MFR 210 °C/2,16kg	6 g/10 min	ISO 1133-A
Tensile modulus	3500 MPa	ISO 527-1
Tensile strength	45 MPa	ISO 527-1
Elongation at break	≤ 5%	IS527-1

Thermal properties

Description	Typical value	Test method
Printing temperature	205 ± 10 °C	-
Melting temperature	155 °C	DSC
Glass transition temp.	60 °C	DSC

Packaging:

All spools are sealed and packed with silica gel to avoid humidity.

Additional info:

Due to its low tendency to warp 3DJAKE ecoPLA Matt can also be printed without a heated bed.

If you have a heated bed the recommended temperature is ± 35-60°C.

PLA can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.